

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 11-181350

(43)Date of publication of application : 06.07.1999

---

(51)Int. Cl. C09D175/04  
F16C 13/00  
G03G 15/08  
// C08G 18/10  
C08G 18/38

---

(21)Application number : 09-350362 (71)Applicant : NIPPON NSC LTD

(22)Date of filing : 19.12.1997 (72)Inventor : ASAOKA SEIJI

---

(54) URETHANE COATING AGENT COMPOSITION, URETHANE COATING AGENT, AND URETHANE-COATED ROLLER

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a composition useful for obtaining a urethane-coated roller having a flexible surface chargeability, and conveying performances by making the composition have a polyurethane resin having functional groups hydrolyzable into silanol groups and having a specified content of soft segments as the principal component.

SOLUTION: This composition mainly consists of a polyurethane resin having functional groups hydrolyzable into silanol groups and having a content of soft segments of 50-80 wt.%. The composition can be obtained by polymerizing a polyurethane prepolymer obtained from a polyol (e.g. polyoxytetramethylene glycol) having a molecular weight of, desirably, 400-25,000, more desirably, 600-20,000 and a polyisocyanate (e.g. isophorone diisocyanate) with a silane compound having at least one isocyanate-reactive group and at least one hydrolyzable silyl group (e.g. aminoalkylalkoxysilane or the like) to form a polyurethane resin.

---

**LEGAL STATUS**

[Date of request for examination]

[Date of sending the examiner's decision  
of rejection][Kind of final disposal of application  
other than the examiner's decision of  
rejection or application converted  
registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's  
decision of rejection][Date of requesting appeal against  
examiner's decision of rejection]

[Date of extinction of right]

BEST AVAILABLE COPY

Copyright (C); 1998, 2000 Japanese Patent Office

**BEST AVAILABLE COPY**